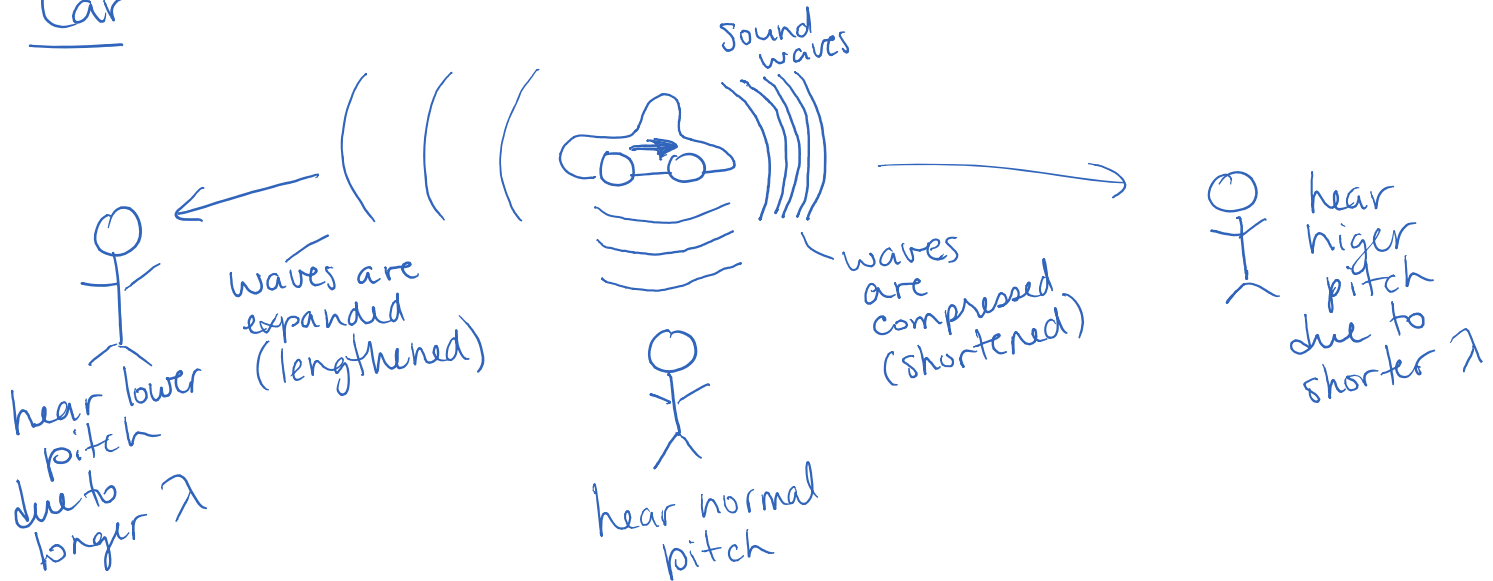


Doppler Effect

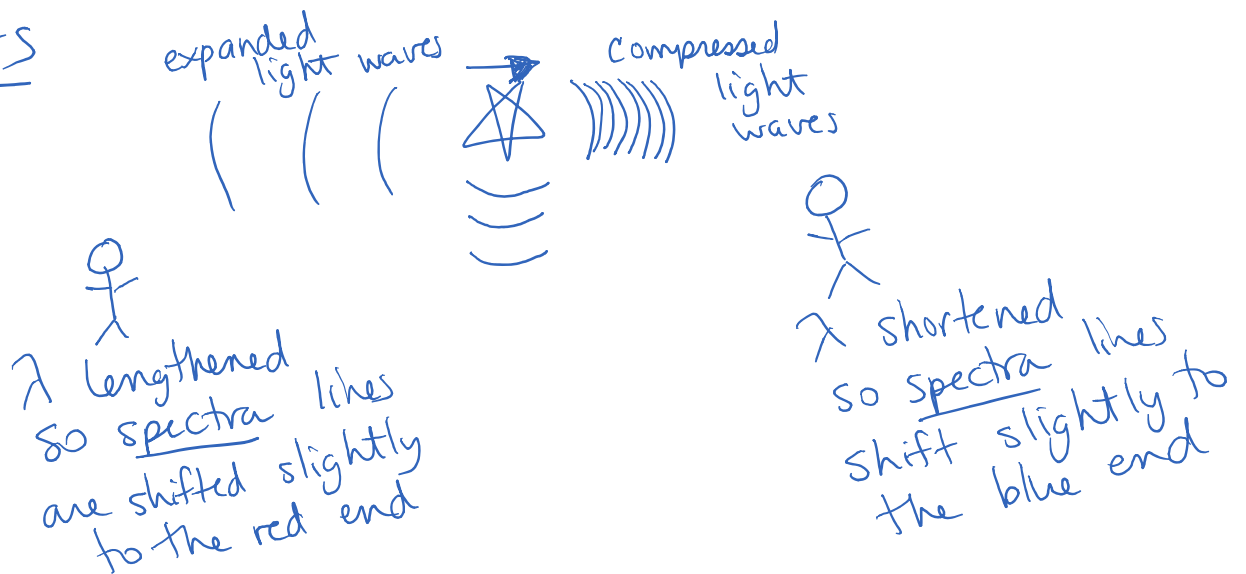
February 13, 2015 9:41 AM

— changes in wave length due to motion

Car



Stars



As the star moves away, the spectral lines shift to the red end, but the star's colour (indicating temperature) doesn't change!

How to tell in the spectrum:



Normal, unshifted
Spectrum
of Hydrogen



Star moving away,
 λ stretched to be
longer (by 20 nm)